

DEGREE CHECKLIST B.S. IN MEDICAL TECHNOLOGY

1. MATH (7 credits minimum)

COURSE	COURSE NUMBER	CREDITS	GRADE	SEMESTER
Precalculus*	640:111,112 OR 640:115	4	_____	_____

One of the following:

Calculus I	640:135, 137, 139, or 151	4	_____	_____
Intro Computers	198:110 or 198:111	3	_____	_____
Statistics I	960:211	3	_____	_____

* Students who placed out of Pre-calculus, should take Calculus I followed by Calculus II, Computers or Statistics.

2. CHEMISTRY (19.5 credits minimum)

COURSE	COURSE NUMBER	CREDITS	GRADE	SEMESTER
General Chemistry	160:161-162 OR 160:163-164	8	_____	_____
Intro Experimentation	160:171	1	_____	_____
Analytical Chemistry Lab	160:251	2.5	_____	_____
Organic Chemistry	160:307, 308	8	_____	_____
Organic Chemistry Lab	160:311	2	_____	_____

OR

*Elem Organic & Lab	160:209, 211	4	_____	_____
*Intro Biochemistry & Lab	115:301, 313	4	_____	_____

* This option will not fulfill the requirements of a Biological Sciences major.

3. BIOLOGY (22-24 credits)

COURSE	COURSE NUMBER	CREDITS	GRADE	SEMESTER
General Biology	119:115, 116, 117	10	_____	_____
Genetics	447:380	4	_____	_____
General Microbiology	447:390	4	_____	_____
Immunology	146:474	3	_____	_____
Systems Physiology	146:356	3	_____	_____
OR Integrative Physiology	067:300	4	_____	_____

4. CLINICAL PRACTIUM (32 credits)

This intense year-long full-time (40 hrs/week, 50 weeks) internship is done at one of four affiliated hospitals. Students are at the hospital all day Monday-Friday, and occasionally weekend work is expected. Maintaining a part-time job outside of the clinical training is **strongly discouraged** by most programs. Acceptance is competitive and based upon academic record, letters of recommendation, related experiences and interview. Applications are obtained from the hospitals and submitted one year prior to the starting date. Academic credits are granted for the practicum, and regular university tuition is paid during this time. **All major requirements (categories 1-3 above), SAS core requirements and 90 credits must be completed prior to the start of the internship.**

Notes: (*Tuition*) Students must pay the hospital fees *first*, and are then credited this amount by Rutgers for Rutgers tuition. (*Residency requirements*): A minimum of 10 credits of coursework in the Biological Sciences (section 3, above) must be completed in residence. In other words, no more than 12 credits in this part of the major requirements may be transferred from any institution outside of Rutgers-New Brunswick.